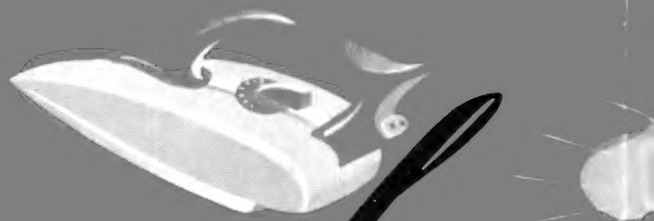
MORE CORN for YOU

from America's greatest corn field research

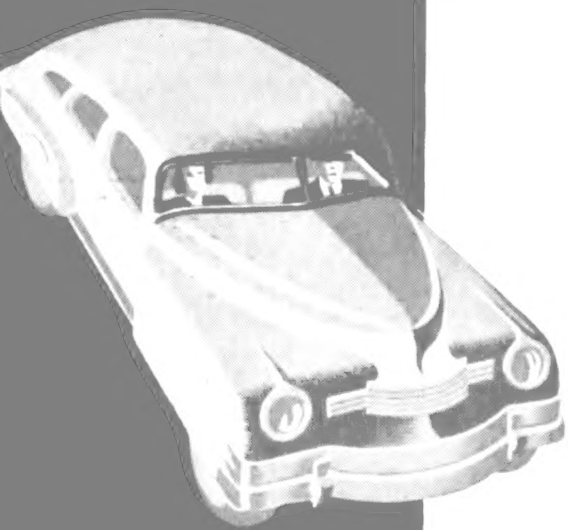
HOFFMAN FARM SEEDS

LANDISVILLE (Lancaster Co.), PENNA.

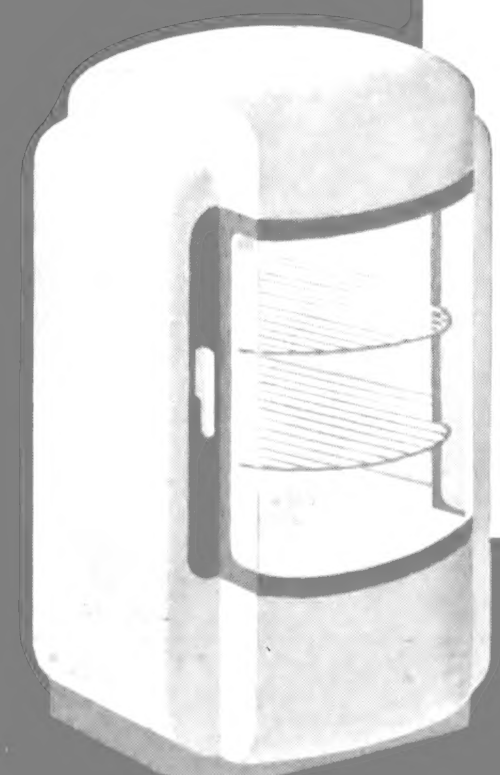


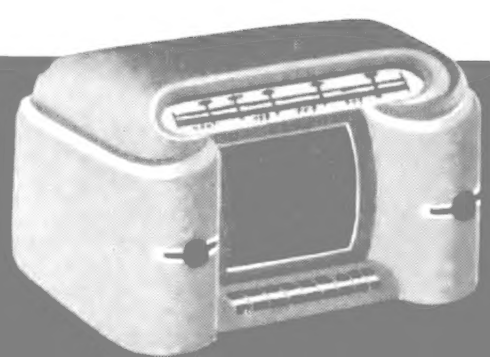
Research...

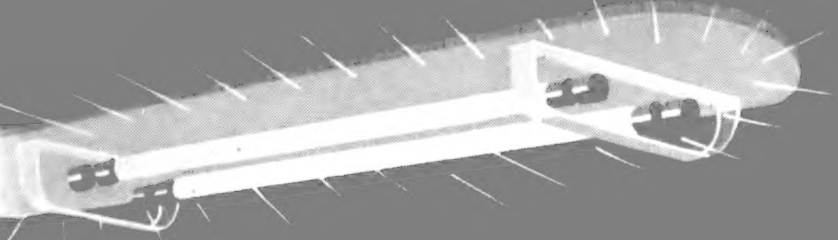
THE MAGIC OF M



BECAUSE groups of men have had a vision of something beyond ordinary knowledge—because these men have patiently experimented with the unknown—because they have intelligently interpreted what their tests told them—our modern lives are surrounded by remarkable inventions. Think of the things we have today that even our fathers didn't dream possible! A turn of a dial and we listen to a voice from halfway around the world. Slight pressure on a foot pedal of our modern car takes us, in an hour, a distance our grandfather used to consider a day's journey. With modern machinery we plow a field faster than a horse could cover it in a gallop. Research—the key to these every-day miracles—has made our lives more comfortable and more interesting. Research, by its constant exploration of the unknown, has set up new standards by which we judge all our endeavors. But . . . mark this carefully . . . among the most remarkable of these results is





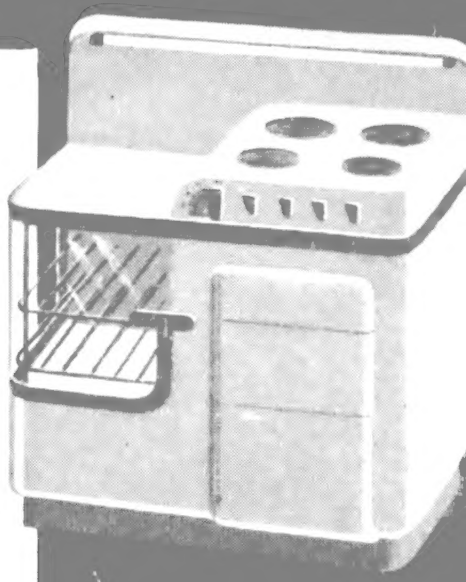


THE KEY TO ALL MODERN LIVING

what has taken place right in the corn fields of the Nation. Read this true story that dramatically pictures what has happened as a result of corn research.

Recently, in an Illinois corn field, a farmer produced a new official world record crop for a ten-acre plot, averaging 191.6 bushels of shelled corn to the acre. Astounding! But here is the marvelous part of that record. Twenty-five years before, those same ten acres were producing less than 60 bushels of corn per acre. What made the difference? Research! During those twenty-five years, a group of men had caught a vision of better yields, had patiently experimented with the unknown and had produced a corn capable of manufacturing grain on the huge scale necessary for such a record.

Research—the key to all the magic of modern living—has opened the door to more corn for you!



ONLY *One* CORN OUTFIT CAN MAKE

EVERY man who grows corn wants to get the best possible corn performance on *his* farm. Getting a profitable corn crop used to be a big gamble, with the odds all against you. Weather, insects and disease ganged up to take away a portion of your crop—and there wasn't anything YOU could do about it.

But research—creator of modern miracles—*has* done something about it. Hybrid corn is a result of research. But hybrid corn in itself is not the whole answer. There remains the problem of concentrating the benefits of corn research on YOUR farm. One corn organization in the United States has geared itself to do this job.

★Funk G Hybrids Are the Product of the Broadest and Most Detailed Corn Research Job Ever Carried On by a Single Organization Engaged in the Production of Seed Corn

Only one corn outfit can make and prove this claim. We, the producers of Funk G Hybrids, make it proudly.

In a few sentences, this is how this program works. One vital branch of this organization devotes its whole effort of finding the best qualities of the best native strains gathered from wherever corn grows. It develops and improves these characteristics, eliminating the defects. It is continually experimenting with combinations of these strains to KNOW which combination will give the best results under any set of conditions.

Another vital branch of this Funk G research organization—there is one in every corn-growing region of the United States—is continuously studying conditions under which corn is grown—climate, weather, soils, insect enemies and disease. With all these data it tells headquarters, "Build us the best hybrid to meet this set of conditions." Only the man right in the territory can set up those specifications, and he can do it only if he has research training and the facilities for scientific observation.

BREEDING THE BEST HYBRID FOR YOU

To meet these local specifications, headquarters can put together a dozen hybrid combinations—all of which will do the job better than any open-pollinated corn in that territory. But which combination is the BEST? (Remember—you want the *best* performance.) To determine this point, this Funk G research organization takes another important step. It sends all those hybrid combinations to be planted in research plots. These plots are located right in the territory and there are sufficient test plots in each territory to guarantee that each hybrid combination will be tested on the various soils as well as in different weather conditions. When the results of these tests are studied (including all factors of growth, stamina and production), this Funk G corn organization KNOWS which are the best hybrids.

The research organization for Funk G Hybrids in this territory is Hoffman. And as a result of this research, Hoffman is in position to prove that, year in and year out, the corn grower who depends on Funk G Hybrids can also depend on getting the best performance from his corn field.

THIS IS HOW HOFFMAN-FUNK RESEARCH PROGRAM WORKS

1. Here's one example. Farmers with short seasons needed corn that would mature safely.

2. A complete report on climate, soils, farming habits was sent by Hoffman to Funk Experimental Farms.

3. At the Farms a number of experimental hybrids were developed.

4. These were tested in Hoffman Proving Grounds in actual regions where needed.

5. The Funk and Hoffman men studied results, selecting certain types for strengthening.

— AND PROVE — TH

TYPICAL BENEFITS TO HOFFMAN CUSTOMERS

One classic example of how this vast research program has benefited the corn grower has been published on a nation-wide basis. It covers the combined Funk-Hoffman work to develop a hybrid that assures farmers of northern Pennsylvania and New York of a corn crop in their short seasons—something they never had before. This story is told in pictures at the bottom of these pages.

But there is available an even more striking instance of benefits—one that affects *all* corn growers in this territory. Before offering any hybrids to customers, Hoffman tested them in test plots in all areas, and quickly discovered that most of the hybrids —good as they might be in the Mid-West—were wholly unsuitable here. Funk research then built hybrids to Hoffman specifications—and those early hybrids produced astounding records in the fields of customers. But a good research organization is never satisfied. While these early Funk G Hybrids were causing a furor all over the East, our research plots were full of new hybrid combinations. These early Funk G Hybrids out on your farms had performed better in some soils than others. Hillside corn fields needed special hybrid combinations. A new Funk G Hybrid was creating exceptional yields in the northern-western corn belt of the United States. What would it do in the East? In a few short years Hoffman was able to tell customers, "Don't be satisfied with your first hybrid yields, good as they have been. We have a better Funk G Hybrid for you." This process of improvement continues today. For certain sets of conditions we can offer hybrids (new ones and improved ones) whose performance represents as great an improvement over early hybrids as those hybrids did over open-pollinated corn.

Now do you see how the benefits of this nation-wide research program

6. These strengthened types were further tested — proved themselves under actual growing conditions in all kinds of weather.

7. Growers who never could count on a corn crop now get excellent yields of husking corn every year—thanks to Hoffman-Funk research.

Up-to-the-Minute Hoffman Research

HOFFMAN'S HYBRID CORN MANAGER, "LES" HUG, is approaching 100% Jap-beetle-killing success in his airplane dusting research. Among newest developments are atomizer-equipped planes to apply DDT spray or mist, using 1 gallon liquid per acre.

Progress is also being made in airplane dusting for corn borer control. . . . Here is tireless, unending effort—toward "STILL BETTER CORN."

HIS STATEMENT* . . .

are concentrated on your farm? When you tell us your conditions, we KNOW which Funk G Hybrid will give you best results under those conditions. When a better hybrid is developed—perhaps in some other part of the United States—we are in position to find out *quickly* whether it is a better hybrid for YOU.

Before a Funk Hybrid

PREVIOUS pages pointed out the research program that assures your getting the Funk G Hybrid that will give *you* best performance. Obviously, any hybrid number must therefore be made up with special characteristics to meet your specific conditions, PLUS basic characteristics to assure real performance under variable conditions apt to occur in any one year. There is a Funk G Hybrid specially bred to resist chinch bug, for instance. But if it couldn't withstand any dry spell, the corn grower would still have no assurance of a crop. Funk G Hybrids for high altitude and northern areas have special quick-starting and quick-drying characteristics. But if they didn't also have the ability to manufacture good crops of corn, those special characteristics wouldn't mean much.

EVERY HOFFMAN FUNK G HYBRID HAS THESE POINTS

There are a great many different Funk G numbers bred to meet different conditions, but before any of these hybrids can earn its G Number, it MUST have certain basic characteristics. These Funk G advantages—for they are advantages to you when they are in your corn field—are described on these two pages. They have to do with the plant's first job—that of manufacturing corn. They cover resistance to the corn enemies such as wind and weather that any corn plant is liable to meet anywhere. They include characteristics "built in" to cut your labor costs at harvest time—even with the bigger crop they give you.

No matter where you are, you have a better chance for top performance with Funk G Hybrids because the qualities that assure top performance are in *every* Funk G Hybrid seed.

Funk G roots so heavy it is no easy job for a strong man to handle them!

Such wide leaves—so many of them! characteristic—even in young plants.

id can earn its G Numb

THE FUNK G ROOT SYSTEM: Roots are the power house in corn manufacturing. Every Funk G Hybrid has a great heavy root system that goes wide and deep for the nutrients the plant must have. Damage by accident or insect attack that would kill the ordinary plant still leaves the Funk G Hybrid plant with ability to send up manufacturing power. Any root system can take in nutrients only if they are in moisture form. In times of drought, Funk G roots have four or five times as much chance of finding necessary moisture because of their very size. In good corn years, these roots have the capacity necessary to supply manufacturing power for a superb crop. Every G Hybrid has this great root system.

THE FUNK G LEAF STRUCTURE: All manufacturing necessary to grow a plant and produce a good ear is done through the leaves. Everybody who sees a Funk G Hybrid for the first time remarks on its heavy leaf growth. Big, wide leaves set close together—regular jungle growth. Those many, many extra square inches of leaf surface mean multiplied capacity to manufacture extra food. Again, this EXTRA capacity is your assurance of performance. It means ability to make enough food for the ear even in adverse circumstances. Every G Hybrid has this heavy leaf structure.

THE FUNK G "WAREHOUSE" STALK: Grasp a Funk G stalk some time and note how thick it is. Observe, at harvest, how it is filled with juicy white pulp. The stalk is the warehouse of your corn plant, holding vast reserve supplies—furnishing it as needed for growth and ear manufacture. A Funk G stalk always holds a *reserve* supply of food. This reserve is what enables it to meet emergencies with which a plant normally has to contend and still have enough food for the ear. This reserve is what keeps a Funk G Hybrid standing erect to harvest, even though you are weeks late getting at the job. This reserve is what enables a Funk G Hybrid to continue maturing a good ear during late summer droughts. Every G Hybrid has this fine, sturdy stalk, able and ready to carry on through any emergency.

These basic Funk G characteristics PLUS the special characteristics *you* need are your assurance of best corn performance. For out of these qualities come not only better yield, but other advantages, such as:

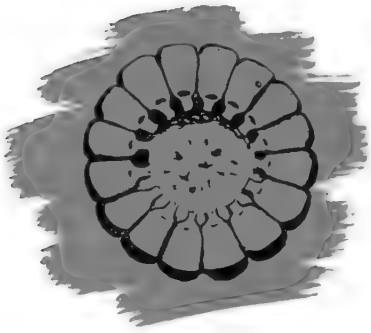
ny of them! That's a vital Funk G ung plants.

In this demonstration, a group of hefty men stand on a platform tied to Funk G stalks. Try this with ordinary corn!

er – it *Must* give y

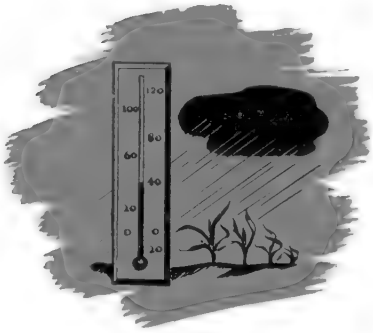
A Good Ear to a Stalk

It's hard to find a stalk without a good ear. Practically no nubbins. A farmer growing Funk G for the first time finds he has to set up new estimates for crib storage.



Deep Grains—Thin Cobs

Instead of the usual 14 lbs. of cob and 56 lbs. of grains, Funk G Hybrid growers often get 60 lbs. and more of grain for a shelling percentage of 85%.

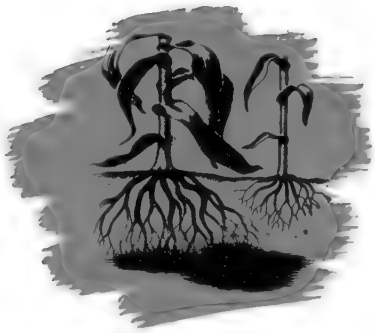


Heavy Silage If Wanted

Basic G characteristics are also present in G numbers specially bred for silage to meet every farm condition. Hoffman Proving Ground plots have established the best silage varieties for your conditions.

EXTRA Silage Food Value

One grower wrote: "I find that when I feed this silage I save at least one-third on my grain." See how those thick, juicy stalks, well-filled ears and leafy plants work out to advantage for silage production?



you these ADVANTAGES

Sure Stand-Up in Storms

The strong, sturdy stalk, the great root anchor, the extra stamina bred into every Funk G Hybrid give it the ability to stand straight through storms that level ordinary corn to a tangled mass.

Uniform Height of Ears

Whether you harvest by mechanical picker or the good old hand method, this Funk G trait saves time and labor. Most of our customers say they harvest their greater yields in less time.

Early Vigor Against Cold Springs

Ability to get started early—even in cold, wet springs—is a big advantage—it's that jump start that provides an extra safety factor against both dry spells and early frosts.

Short Shanks—Full Husks

A requirement of the Funk G breeding staff is short-shank hybrids, so necessary at harvesting time. Many a corn plant capable of growing a good ear could not protect that ear with adequate husk. Many a plant grew shank instead of corn. Funk G Hybrids produce well-protected ears on easy-to-husk shanks.

Resistance Against Accidents

Accidents which can affect a corn plant range all the way from mechanical injury to peculiar weather combinations that encourage disease —like the "brown death" blight of several years ago. The reserves in Funk G Hybrids enable the plants to go on producing the ear in spite of these accidents.

Uniform Maturity

You don't have to wonder when to harvest, or worry about early frosts, with Funk G Hybrids. The localized research program has assured you of safe maturity—Funk G characteristics assure uniform maturity.

Resistance Against Drought

Every year some area has a long, dry period. Every season produces a period when rain is badly needed. Isn't it just common sense to depend on a corn that can build reserves to carry it through this period?

Harvest When *You* Are Ready!

Those green stalks at harvest time mean food value to keep the corn standing straight till you are ready. In certain recent cases, farmers couldn't harvest their Funk G corn till spring—and it was still standing straight.

Does this Hoffman program pay off in your field?

HERE ARE JUST A FEW FROM THE MOUNTAIN OF LETTERS THAT SAY *"Yes"*

"The Funk G seed corn purchased last spring produced more grain than the (another hybrid) I planted."—*R. Zink, Allegany Co., N. Y.*

"The Funk G Rounds produced wonderful corn, whereas the other kind blew down. Clayish soil, not too fertile."—*W. Snyder, Tioga Co., Pa.*

"Your Funk G is the best hybrid we have ever had and we have tried several others."—*E. M. Browne, Middlesex Co., N. J.*

"The Funk G we planted was the best in our locality, stood up well in spite of bad storms and was exceptionally well eared."—*J. A. Miller, Lackawanna Co., Pa.*

"We never had such a nice corn crop in the 27 years I have been farming."—*C. Freed, Juniata Co., Pa.*

"Last year was the first time I tried Funk G for silage and I am sold on it. All other brands are out."—*C. R. Townsend, Rockland Co., N. Y.*

"Your Funk G did a lot better than any other kind I ever planted."—*J. Woods, Raleigh Co., W. Va.*

"Funk G was wonderful stuff for the silo. And Funk G (husking variety) is the best I found for husking yet."—*C. B. Horning, Lancaster Co., Pa.*

"It outyielded two other varieties and stood the storm better than other hybrid corn planted in the same field."—*G. A. Traver, York Co., Pa.*

"Funk G Rounds were far better than any hybrid I saw and a great deal better than open-pollinated."—*J. B. Hoop, Fulton Co., Pa.*

"It has done better for me than any other hybrid I have ever used for silo."—*W. N. Wright, York Co., Pa.*

"I have planted quite a few different hybrids in the past five or six years and wish to state that this Funk G (regular rounds) is the best hybrid for silage that I know."—*J. L. Hoke, Franklin Co., Pa.*

"Funk G started better, ears were uniform height and it stood up better, producing more and better corn than any other hybrid or open-pollinated corn I have ever grown."—*H. Hamilton, Crawford Co., Ohio.*

"I never had better corn than Funk G Rounds. It was the best corn for miles around; everyone wanted to know the number."—*J. Denny, Butler Co., Pa.*

"It is the best hybrid we ever raised. Filled our large silo to overflowing capacity."—*C. W. Mussman, Ross Co., Ohio.*

"Funk G large rounds is wonderful silage corn. Fodder is good height, large ears, plenty of foliage for silage."—*J. Smith, Juniata Co., Pa.*

"The Funk G did very well. Stood up much better than (another hybrid) and this feature is ideal when you use a corn picker."—*F. A. Heintzelman, Northampton Co., Pa.*

Read between the lines, too. Note how enthusiastic these Hoffman customers are. They know they have something REAL!

"My 108 acres of Funk G made 8,140 bushels—the best crop of corn grown in Delaware."—*F. R. Van Hekle, Shallcross Farms, Newcastle Co., Del.*

"Out of 500 inspected stalks, only 2 had corn borer."—*F. E. Isner, York Co., Pa.*

"Funk G Hybrid outyielded other hybrids 15 bu. to the acre."—*H. Warner, Franklin Co., Ohio.*

"Your Funk G has brought us a new high in both quality and yield."—*D. P. Crandall & Son, Niagara Co., N. Y.*

"Funk G rounds did a lot better than other hybrid corn I had in the same field."—*M. J. Ruppenkamp, Allegany Co., Md.*

"Funk G Rounds did better than any one of the seven types of hybrids we planted."—*Wm. P. MacIntyre, Bedford Co., Pa.*

"The Funk G is the best corn I've ever grown or seen in this locality."—*C. Asselta, Atlantic Co., N. J.*

"1945 was a very, very bad year for corn in this part of the country, but Funk G pulled through fine."—*E. W. Menzel, Sr., Jefferson Co., Ohio.*

"Our results with Funk G Rounds were extraordinary—the best corn we ever raised. We experimented with several types of hybrid corn, and have found Funk G the best in every way."—*F. De Boer & Sons, Bergen Co., N. J.*

"There is no other corn like it or anywhere near to it suited to this locality and soil. We have a crop that is prettier than any picture we have seen."—*R. S. Rhoads, Berks Co., Pa.*

"Of all the hybrids which I have ever grown, Funk G has been the best for me."—*W. W. Ebersole, Lancaster Co., Pa.*

"We find that by using Funk G we have longer feeding out of our two silos, because of the stalks, plentiful leaves and good sized ears, it requires smaller amounts per cow per feeding."—*G. Moebus, Hunterdon Co., N. J.*

"Funk G has been the most satisfactory silage corn I ever grew."—*W. T. White, Greenbrier Co., W. Va.*

"From the standpoint of weight, it has been estimated that our yield is substantially 3 times as great per acre as compared to any other corn grown. It appears sweeter than the usual run of corn and quite a quantity was put up as ensilage without the addition of either ground corn or molasses—a definite advantage."—*E. E. Novotny, Montgomery Co., Pa.*

ORDER YOUR FUN FOR HUSKING . .

The success of this corn makes it harder each year to meet seed demands

You have seen how the vast research program of the nation-wide Funk G organization concentrates its effort to give you best corn performance on *your* farm. You've seen the basic Funk G characteristics that offer you further assurance.

If you want this performance—then let us urge you not to delay your order for seed. Other men have seen Funk G results—are reading this booklet. Every year more and more of them want Funk G Hybrid seed. Every year, for the past five years, seed of all but a few varieties has been exhausted long before planting time—and many late-comers have been disappointed. Our rigid method of selecting the right seed for each set of conditions means that we often have to say "Sorry, but the seed that would give you best results under your conditions is all gone."

Now is the time to decide. You needn't take delivery till near planting time, but to be sure of getting it at all, order it now.

HOW TO ORDER

If you have had Hoffman select your proper G numbers for a former season, you already know it. In such cases, indicate your G number, the kernel size and quantity of seed wanted. If our Proving Ground tests have indicated any newer G number that would give you even better results, we'll advise you before shipment. (In any year this may be true of one or two G numbers where constant breeding or slightly different crosses have strengthened certain characteristics.)

NK G HYBRID NOW .....FOR SILAGE

If you have never planted Funk G Hybrids, Hoffman needs to know certain facts about your farm in order to select the G number that will give you best results. The information needed here is listed on the "reserve order blank," ready for you to fill in. Give Hoffman these facts, together with your quantity and the kernel size you want, and your proper seed will be selected and reserved.

Get Good Seed at a Saving!

Certain Funk G Hybrid kernel sizes do save money. In 1 bushel "Medium Small Rounds" there are 10,920 more kernels than in 1 bushel "Large Flats"—enough extra kernels to plant another acre! And you save dollars in seed cost, too.

Every year more folks take advantage of this lower-cost seed. It produces exactly the same fine crop (ears or ensilage). There is NO DIFFERENCE in yieldability! Each kernel grown on an ear of this highly bred seed—flat, round, thick, thin—has exactly the same germ plasm—same blood lines—same fertility.

All you do to make this saving is use the proper planter plates—something you have to do anyway. The many hundreds of acres of Hoffman Funk G seed production (8 years) are from round kernel seed, with splendid results! All Funk G seed, regardless of kernel size—is of IDENTICAL YIELDABILITY. Consider this saving!

(TOP) Unloading Funk G Seed Corn from Hoffman production fields into the modern corn conditioning house. Here it is inspected, subjected to a special drying treatment, graded and bagged for next spring's planting.

(LEFT) Because Hoffman Funk G Corn stands straight, matures uniformly, it is ideal to plant for harvesting by the mechanical picker. This is equally true for the good old hand method.

(RIGHT) Load after load of silage—with high grain content in relation to total green weight—comes from the special Funk G silage varieties. One customer wrote, "You've gotten me in a heck of a lot of trouble. From the same field that used to just fill my silo, I've got a big overflow. What'll I do with it?"

SEAL OF ASSURANCE

The Funk G Hybrid Seal is your assurance that your seed has the ability to make outstanding corn.

The job of getting best corn performance for your farm doesn't end with the research program. Growing and preparation of the seed is an important branch of the Funk G organization, too.

Much of the seed for G Hybrids used in the East is grown right here, under Hoffman supervision. All possible precautions are taken to make sure that this seed "measures up" to the preparations made for your corn performance.

FERTILITY pays off. Fields of well-balanced fertility give the seed crop that extra push that helps to produce fully mature, plump kernels.

ISOLATION of seed production fields is important. Months before planting time, Funk G Hybrid seedsmen select farms with the best soil . . . fields which are well isolated . . . and farm operators who know their business.

DETASSELING is a major operation that must be done thoroughly and carefully, on a strict time schedule. Many millions of tassels of Funk G Hybrid seed parent plants must be removed before they shed pollen.

EARLY HARVEST. . . . Seed ears are harvested as soon as possible after maturity. Every precaution is taken to get the seed safely inside before germination can be hurt by severe cold weather.

EAR SELECTION by crews of specially trained inspectors insures that ears and kernels which fail to meet high Funk G Hybrid standards are eliminated. Repeated hand sorting assures quality.

SAFE DRYING by electrically controlled heat in special bins reduces moisture to about 12 per cent and makes the seed almost immune to damage from temperature changes while the corn is in storage.

ACCURATE GRADING, done by modern machinery, results in uniformity of Funk G kernel size and shape, making your corn planting go quickly and smoothly. Actually 3 to 5 times as many separations as the average seed.

PROTECTION against seedling diseases is given to the seed by treatments of a specially formulated dust. Research points out that these seed treatments may add one to three extra bushels per acre to the corn crop.

GERMINATION tests on all lots of seed are made continually and repeatedly throughout the storage season to make absolutely certain that the seed corn delivered to you will give you positive high germination.

A. H. HOFFMAN, INC.

Dependable FARM SEEDS since 1899

LANDISVILLE (Lancaster County), PA.